

REMARKS

This Amendment is submitted in response to the non-final Office Action mailed on November 25, 2011. No fee is due in connection with this Amendment. The Director is authorized to charge any fees that may be required, or to credit any overpayment to Deposit Account No. 02-1818. If such a withdrawal is made, please indicate the Attorney Docket No. 3712036-00735 on the account statement.

Claims 14-15 and 19 are rejected in this application. Claim 3 was previously canceled without disclaimer. Claims 1-2, 4-13 and 16-18 were previously withdrawn from consideration. In the Office Action, Claims 14-15 and 19 are rejected under 35 U.S.C. §102. In response, Claims 14-15 and 19 have been amended. Claims 20-22 are newly added. The new claims and amendments do not add new matter. In view of the amendments and/or for at least the reasons set forth below, Applicants respectfully submit that the rejections should be withdrawn.

In the Office Action, Claims 14-15 and 19 are rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,086,368 to Bosley et al. ("*Bosley*") with evidence provided by the printed publication to Wikipedia ("*Wikipedia*"). Applicants respectfully traverse the rejection for at least the reasons set forth below.

Independent Claim 14 has been amended to recite, in part, an orally ingestible composition comprising a fat source and at least one raw plant material including *Helianthus*, the plant material being processed by a drying process at a temperature between 80° C and 105° C to obtain glucosamine in an amount greater than 150 mg/kg dry matter. Independent Claim 15 has been amended to recite, in part, a skin or hair care product comprising a fat source and at least one raw plant material including *Helianthus* that is processed by a drying process at a temperature between 80° C and 105° C to obtain glucosamine in an amount greater than 150 mg/kg dry matter. Independent Claim 19 has been amended to recite, in part, an orally ingestible composition comprising a source of protein and at least one raw plant material including *Helianthus*, the plant material being processed by a drying process at a temperature between 80° C and 105° C to obtain glucosamine in an amount greater than 150 mg/kg dry matter.

In fresh plant materials, free glucosamine has not been observed or has been observed only at levels less than 1 mg per kg dry matter. See, Specification, page 2, paragraphs 25-30. However, it has been surprisingly discovered that high amounts of glucosamine can be formed during a controlled drying process of certain raw plant materials including *Helianthus*. See,

Specification, page 3, paragraphs 37–41, page 4, 54. Therefore, by drying the claimed plant material at a temperature between 80° C and 105° C, a product containing greater than 150 mg/kg dry matter of glucosamine can be obtained. See, Specification, page 3, paragraphs 37–40 and 47. It is likely that during the drying process, the glucosamine comes not from the direct degradation of macromolecules, but rather from the release of free fructose and amino acids, followed by Heyns/Amadori reactions. See, Specification, page 4, paragraphs 56–61.

In contrast, *Bosley* and *Wikipedia* alone or in combination fail to disclose or suggest each and every element of independent Claims 14–15 and 19. Specifically, *Bosley* and *Wikipedia* alone or in combination fail to disclose or suggest a raw plant material including *Helianthus* that is processed by a controlled drying process to obtain glucosamine in an amount greater than 150 mg/kg dry matter as required by independent Claims 14–15 and 19.

Bosley discloses, in part, a process and apparatus for preparing and treating potatoes and carrots. The process involves dehydrating potatoes and carrots at a temperature greater than 80°C. Nevertheless, *Bosley* along with *Wikipedia* fail to disclose a raw plant material including *Helianthus* anywhere in their disclosures.

For at least the reasons discussed above, the cited references fail to disclose or suggest each and every element of independent Claims 14–15 and 19. As a result, Applicants respectfully submit that independent Claims 14–15 and 19, along with any of the claims that depend from Claims 14–15 and 19, are novel, nonobvious and distinguishable from the cited references.

Accordingly, Applicants respectfully request that the rejection of Claims 14–15 and 19 under 35 U.S.C. §102(b) be withdrawn.

Applicants further note that Claims 20–22 have been newly added. The new claims are fully supported in the Specification at, for example, page 3, paragraph 38, page 4, paragraph 56, page 6, paragraph 94. No new matter has been added thereby. Applicants respectfully submit that the subject matter as defined in the newly added claims is patentable over the cited art for at least substantially the same reasons discussed above.

For the foregoing reasons, Applicants respectfully request reconsideration of the above-identified patent application and earnestly request an early allowance of the same. In the event there remains any impediment to allowance of the claims that could be clarified in a telephonic interview, the Examiner is respectfully requested to initiate such an interview with the undersigned.

Respectfully submitted,

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